

# INDUSTRIAL CASE STUDY

## MINING AND PROCESSING TANK LINING



### SITUATION

Businesses within the mining and processing industry require huge tanks to store shredded iron ore, but the interior coating of the manufacturer-supplied tanks wasn't able to withstand the abrasion. The tanks would quickly show signs of corrosion and degradation, greatly shortening their service life. The client needed a solution to prolong the life of the tanks that could endure the continual movement of the iron ore scrap.



### SOLUTION

They turned to LINE-X for a solution. The LINE-X professionals selected LINE-X XS-350 as the right coating for the job; it's a highly durable, chemical-resistant pure polyurea. To start, the tanks were sandblasted and cleaned to ensure any previous coatings or contaminants were fully removed. A primer was then applied, and once the primer dried, LINE-X XS-350 was sprayed on using a heated plural component spray unit. The LINE-X XS-350 was built up to a depth of 3-5mm to provide an extremely durable surface to protect the tanks from the iron ore.



### RESULTS

The LINE-X XS-350 application provided an incredibly durable barrier that offered an extremely high level of wear-resistance effectively absorbing strikes, scratches, and abrasions from the ore. The first tanks were lined with LINE-X in 2017 and show very minimal wear. An added bonus of the coating became apparent when the client noticed the LINE-X XS-350 greatly reduced the noise level of the iron ore churning in the tanks. The noise reduction was a welcome surprise and huge relief for the staff!

**PROJECT OVERVIEW:** Internal Tank Lining For Abrasion Resistance and Increased Durability

**PRODUCTS USED:** LINE-X XS-350

**CASE STUDY PROVIDED BY:** Armline (LINE-X Ukraine)



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